

REMARKS

This application has been carefully reviewed in light of the Office Action dated February 22, 2006. Claims 1 to 4 remain in the application, of which Claims 1 and 3 are independent. Reconsideration and further examination are respectfully requested.

Claims 1 to 4 were rejected under 35 U.S.C. § 103(a) over U.S. Patent No. 6,084,638 (Hare) in view of U.S. Patent No. 6,373,503 (Perkes). Reconsideration and withdrawal of the rejections are respectfully requested.

The present invention concerns switching operating modes for a display unit of a display apparatus to act as a monitor for both the display apparatus itself, and as a monitor of an external apparatus, depending on control data received from a remote controller. According to the invention, the display apparatus receives control data from the remote controller, if the control data indicates that a first operating mode is selected by the remote controller, a control unit of the display apparatus forms a connection between the display apparatus and the external apparatus so as to make the external apparatus recognize the display unit as a monitor of the external apparatus and to make the external apparatus recognize an input/output device connected to the display apparatus as an input/output device of the external apparatus. However, if the control data indicates that a second operating mode is selected by the remote controller, the control unit disconnects a connection between the display apparatus and the external apparatus so as to make the display unit function as a monitor of the display apparatus, and so as to make the input/output device as an input/output device of the display apparatus.

Referring specifically to the claims, amended independent Claim 1 is a display apparatus, comprising a receiving unit which receives control data sent from a

remote controller, a display unit, a connecting unit connecting to an external apparatus, and a control unit which changes an operation mode of the display apparatus to one of a first operating mode and a second operating mode based on the control data received by the receiving unit, wherein if the received control data indicates that the first operating mode is selected by the remote controller, the control unit forms a connection between the display apparatus and the external apparatus so as to make the external apparatus recognize the display unit as a monitor of the external apparatus and to make the external apparatus recognize an input/output device connected to the display apparatus as an input/output device of the external apparatus, and if the received control data indicates that the second operating mode is selected by the remote controller, the control unit disconnects a connection between the display apparatus and the external apparatus so as to make the display unit function as a monitor of the display apparatus and to make the input/output device connected to the display apparatus as an input/output device of the display apparatus.

Amended independent Claim 3 is a method claim substantially corresponding to Claim 1.

The applied art is not seen to disclose or to suggest the features of Claims 1 and 3, and in particular is not seen to disclose or to suggest at least the feature of a display apparatus receiving control data sent by a remote controller and having a control unit which changes an operation mode of the display apparatus to one of a first operating mode and a second operating mode based on the received control data, wherein if the received control data indicates that the first operating mode is selected by the remote controller, a control unit of the display apparatus causes a connecting unit of the display apparatus to form a

connection between the display apparatus and an external apparatus so as to make the external apparatus recognize a display unit of the display apparatus as a monitor of the external apparatus and to make the external apparatus recognize an input/output device connected to the display apparatus as an input/output device of the external apparatus, and if the received control data indicates that the second operating mode is selected by the remote controller, the control causes the connecting unit to disconnect a connection between the display apparatus and the external apparatus so as to make the display unit function as a monitor of the display apparatus and to make the input/output device connected to the display apparatus as an input/output device of the display apparatus.

Hare discloses a system in which data displayed on a PC can also be displayed on a television, thereby permitting users to operate interactive PC games on the screen of a television. The Office Action alleged that interface 26 corresponds to the claimed remote controller. However, as admitted in the Office Action, Hare does not disclose a remote controller and therefore, cannot disclose or suggest the features of the invention.

Moreover, in Hare, the PC 2 effects the change-over of the display in accordance with a signal from the TV receiver control device or the extender 26. Thus, Hare fails to teach the claimed control unit of the display apparatus operating in conjunction with the control data received by the receiving unit from the remote controller. Accordingly, Hare fails to teach the features of a display apparatus receiving control data sent by a remote controller and having a control unit which changes an operation mode of the display apparatus to one of a first operating mode and a second operating mode based on the received control data, wherein if the received control data indicates that the first

operating mode is selected by the remote controller, a control unit of the display apparatus causes a connecting unit of the display apparatus to form a connection between the display apparatus and an external apparatus so as to make the external apparatus recognize a display unit of the display apparatus as a monitor of the external apparatus and to make the external apparatus recognize an input/output device connected to the display apparatus as an input/output device of the external apparatus, and if the received control data indicates that the second operating mode is selected by the remote controller, the control causes the connecting unit to disconnect a connection between the display apparatus and the external apparatus so as to make the display unit function as a monitor of the display apparatus and to make the input/output device connected to the display apparatus as an input/output device of the display apparatus.

Perkes is not seen to make up for the foregoing deficiencies of Hare. Specifically, Perkes merely discloses a multimedia computer and television apparatus in which a dual mode monitor can display both a TV signal and a computer signal. Perkes further discloses a remote control input device 40 that can be used to operate the computer. However, Perkes fails to disclose or to suggest at least the features of a display apparatus receiving control data sent by a remote controller and having a control unit which changes an operation mode of the display apparatus to one of a first operating mode and a second operating mode based on the received control data, wherein if the received control data indicates that the first operating mode is selected by the remote controller, a control unit of the display apparatus causes a connecting unit of the display apparatus to form a connection between the display apparatus and an external apparatus so as to make the external apparatus recognize a display unit of the display apparatus as a monitor of the

external apparatus and to make the external apparatus recognize an input/output device connected to the display apparatus as an input/output device of the external apparatus, and if the received control data indicates that the second operating mode is selected by the remote controller, the control causes the connecting unit to disconnect a connection between the display apparatus and the external apparatus so as to make the display unit function as a monitor of the display apparatus and to make the input/output device connected to the display apparatus as an input/output device of the display apparatus.

Accordingly, Claims 1 to 4 are believed to be allowable over Hare and Perkes.

In view of the foregoing amendments and remarks, the entire application is believed to be in condition for allowance and such action is respectfully requested at the Examiner's earliest convenience.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,
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